# ABSTRACT

## DATA SAMPLING WITH PRIORITY TO CONFORMING COMPONENT RATIOS

5        A component ratio is received for a plurality of attributes associated with a

composition condition.  An extractable amount of data for each attribute is determined; and

a target extraction amount for each attribute is calculated based, at least partially, on the

component ratio.  If a target extraction amount corresponding to a given attribute exceeds

an extractable amount corresponding to the same given attribute, then the target extraction

10      amount is adjusted to a value that is equal to or less than the corresponding extractable

amount while retaining the component ratio within a predetermined range.


15